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DATE MAILED: 08/27/2003

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/325,951	06/04/1999	MIN-HSIUNG CHIANG	TSMC98-262	3488
28112 75	90 08/27/2003			
GEORGE O. SAILE & ASSOCIATES			EXAMINER	
28 DAVIS AVE POUGHKEEPS	· - -		POMPEY, RON EVERETT	
			ART UNIT	PAPER NUMBER
			2812	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Advisory Action	09/325,951	CHIANG ET AL.				
navicory nauch	Examiner	Art Unit				
	Ron E Pompey	2812				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address						
THE REPLY FILED 09 July 2003 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.						
PERIOD FOR REPLY [check either a) or b)]						
a) \square The period for reply expires 3 months from the mailing date of the final rejection.						
b) The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).						
Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
1. A Notice of Appeal was filed on Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.						
2. The proposed amendment(s) will not be entered because:						
(a) ☑ they raise new issues that would require further consideration and/or search (see NOTE below);						
(b) ☐ they raise the issue of new matter (see Note below);						
(c) they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or						
(d) they present additional claims without canceling a corresponding number of finally rejected claims.						
NOTE: See Continuation Sheet.						
3. Applicant's reply has overcome the following rejection(s):						
4. Newly proposed or amended claim(s) would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).						
5. ☑ The a) ☐ affidavit, b) ☐ exhibit, or c) ☑ request for reconsideration has been considered but does NOT place the application in condition for allowance because: <u>See Continuation Sheet</u> .						
6. The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection.						
7. ☐ For purposes of Appeal, the proposed amendment(s) a) ☐ will not be entered or b) ☐ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.						
The status of the claim(s) is (or will be) as follows:						
Claim(s) allowed:						
Claim(s) objected to:						
Claim(s) rejected: 6 and 8-14.						
Claim(s) withdrawn from consideration:						
8. The proposed drawing correction filed on is a) approved or b) disapproved by the Examiner.						
9. Note the attached Information Disclosure Statement(s)(PTO-1449) Paper No(s)						
10. Other:						

Continuation of 2. NOTE: The newly added claims narrow the broad temperature ranges of the independent claims.. Thus the newly added claims require further consideration and/or search.

Continuation of 5. does NOT place the application in condition for allowance because: The applicant argues that because the temperature range of 950-1200 centigrade is not shown in the figures that, even though it is disclosed in the summary of the invention (see Higashitani et al. 5,637,528, column 2, lines 4-28), there is no motivation to use the low end of the temperature range. However, in column 2, line 11-28, Higashitani discloses that "oxidation at temperatures of the softening.point (950 -970 centigrade) of silicon dioxide or higher without adding halgen element, heavy metals or the like will invade into the silicon substarte through a gel state silicon dioxide film. therefoer Higashitani demonstrates oxidizing at the low end of the temperature range to form the FOX.

Applicant also argues that the invention goes against the grain of what the prior art teaches. However just like the applicant the prior art is trying to form pure oxides with few containents when forming FOX regions (see applicant's and prior art disclosure in the "Summary of invention" section). Therefore it would be prima facie obvious that the claimed invention will give the same results as the prior when one of ordinary skill of the art read the broad temperature ranges claimed by applicant which is overlaped by the temperature ranges in the prior art.

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